

Title (en)
METHODS OF TREATING MULTIPLE MYELOMA AND MYELOMA-INDUCED BONE RESORPTION USING ANTAGONISTS OF INTEGRIN / RECEPTOR BINDING

Title (de)
VERFAHREN ZUR BEHANDLUNG VON MULTIPLEM MYELOM UND VON MYELOM- INDUZIERTER KNOCHENRESORPTION MIT ANTAGONISTEN DER INTEGRIN-/REZEPTORBINDUNG

Title (fr)
TRAITEMENT DU MYELOME MULTIPLE ET DE LA RESORPTION OSSEUSE ASSOCIEE AU MOYEN D'ANTAGONISTES DE L'INTERACTION INTEGRINE / RECEPTEUR

Publication
EP 1113810 B1 20081231 (EN)

Application
EP 99949656 A 19990913

Priority
• US 9921170 W 19990913
• US 10018298 P 19980914

Abstract (en)
[origin: WO0015247A2] Antagonists of alpha4 integrin/alpha4 integrin ligand adhesion, which inhibit the biological effects of such adhesion are described and methods for their use are detailed. Such antagonists are useful in suppressing bone destruction associated with multiple myeloma. The homing of multiple myeloma cells to bone marrow and their alpha4 integrin-dependent release of bone-resorbing factors, resulting in bone destruction in patients with multiple myeloma, is inhibited.

IPC 8 full level
A61K 38/17 (2006.01); **C12N 15/09** (2006.01); **A61K 39/395** (2006.01); **A61K 45/00** (2006.01); **A61P 19/00** (2006.01); **A61P 35/00** (2006.01); **C07K 14/705** (2006.01); **C07K 16/18** (2006.01); **C07K 16/28** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP KR US)
A61K 39/395 (2013.01 - KR); **A61P 7/00** (2018.01 - EP); **A61P 19/00** (2018.01 - EP); **A61P 19/08** (2018.01 - EP); **A61P 19/10** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 35/02** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07K 14/70542** (2013.01 - EP US); **C07K 16/2836** (2013.01 - EP US); **C07K 16/2839** (2013.01 - EP US); **C07K 16/2842** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated extension state (EPC)
AL LT LV MK RO SI

DOCDB simple family (publication)
WO 0015247 A2 20000323; **WO 0015247 A3 20000525**; **WO 0015247 A8 20091223**; AT E418999 T1 20090115; AU 6248699 A 20000403; AU 757873 B2 20030306; BR 9913705 A 20010605; CA 2343579 A1 20000323; CA 2343579 C 20120529; CN 1236815 C 20060118; CN 1321091 A 20011107; CY 1109413 T1 20140813; CZ 2001916 A3 20010815; CZ 302997 B6 20120215; DE 69940206 D1 20090212; DK 1113810 T3 20090406; EA 004270 B1 20040226; EA 200100362 A1 20011224; EE 05558 B1 20120815; EE 200100146 A 20020617; EP 1113810 A2 20010711; EP 1113810 B1 20081231; EP 2065050 A1 20090603; ES 2319831 T3 20090512; HK 1038313 A1 20020315; HU 229038 B1 20130729; HU P0103630 A2 20020128; HU P0103630 A3 20040301; IL 141877 A0 20020310; IL 197686 A0 20110731; IS 2631 B 20100615; IS 5856 A 20010223; JP 2002524529 A 20020806; JP 2010235620 A 20101021; JP 2013241441 A 20131205; JP 5378303 B2 20131225; KR 100628818 B1 20060927; KR 20010085793 A 20010907; NO 20011244 D0 20010312; NO 20011244 L 20010514; NO 20011283 D0 20010314; NO 327855 B1 20091005; NZ 511062 A 20030429; PL 203114 B1 20090831; PL 347128 A1 20020325; PT 1113810 E 20090310; SI 1113810 T1 20090430; SK 287601 B6 20110304; SK 6052001 A3 20011203; TR 200100734 T2 20010723; US 2002022028 A1 20020221; US 7211252 B2 20070501; ZA 200102032 B 20021107

DOCDB simple family (application)
US 9921170 W 19990913; AT 99949656 T 19990913; AU 6248699 A 19990913; BR 9913705 A 19990913; CA 2343579 A 19990913; CN 99810904 A 19990913; CY 091100320 T 20090323; CZ 2001916 A 19990913; DE 69940206 T 19990913; DK 99949656 T 19990913; EA 200100362 A 19990913; EE P200100146 A 19990913; EP 08016882 A 19990913; EP 99949656 A 19990913; ES 99949656 T 19990913; HK 01109049 A 20011224; HU P0103630 A 19990913; IL 14187799 A 19990913; IL 19768609 A 20090319; IS 5856 A 20010223; JP 2000569831 A 19990913; JP 2010132110 A 20100609; JP 2013154324 A 20130725; KR 20017003274 A 20010314; NO 20011244 A 20010312; NO 20011283 A 20010314; NZ 51106299 A 19990913; PL 34712899 A 19990913; PT 99949656 T 19990913; SI 9931028 T 19990913; SK 6052001 A 19990913; TR 200100734 T 19990913; US 80584001 A 20010313; ZA 200102032 A 20010312